

WHAT IS CLAIMED IS :

1. A data processing system for executing a program on the basis of a command and processing data, comprising:

a command unit for sending the command;

a processing unit for recording a program; and

an access unit for accessing a recording medium recording the data,

wherein said access unit includes means for sending to said processing unit position information indicating a recording position of the data recorded in the recording medium,

said command unit includes means for sending to said processing unit a command including program identifying information for identifying the program, and

said processing unit includes:

means for requiring a feed of the data caused, in advance, to correspond to the program identifying information included in the command received from said command unit and recorded in the recording position indicated by the position information received from said access unit; and

means for executing the program identified by the program identifying information included in the command received from the command unit and processing the data received as required.

2. A data processing system for executing a program on the basis of a command and processing data, comprising:

a command unit for sending the command;

a processing unit for recording a program; and

an access unit for accessing a recording medium recording the data,

wherein said access unit includes means for sending to said processing unit inventory information including data identifying information for identifying and position information indicating a recording position of the data recorded in the recording medium,

said command unit includes means for sending to said processing unit a command including program identifying information for identifying the program and information used for identifying the data,

said processing unit includes:

a data table for recording the data identifying information and the position information caused to correspond to each other;

a first program table for recording the data identifying information of the data related to the process of the program in association with the program identifying information;

a second program table for recording the program in association with the program identifying information;

means for recording to said data table the position information and the data identifying information included in the inventory information received from said access unit;

means for extracting from the data table the position information corresponding to the information used for identifying the data and the data identifying information on the basis of the information used for identifying the data included in the command and the data identifying information recorded to the first program table in associated with the program identifying information included in the command received from said command unit; and

means for sending to said access unit data requirement for requiring a feed of the data recorded in the recording position indicated by the extracted position information,

said access unit further includes:

means for reading the data from the recording medium on the basis of the data requirement received; and

means for sending the read data to said processing unit, and

said processing unit further includes:

means for extracting from the second program table the program identified by the program identifying information included in the command received from said command unit; and

means for executing the extracted program and processing the data received from said access unit.

3. The data processing system according to claim 2, wherein the inventory information sent from said access unit includes an owner identifying information for

identifying an owner of the data,

the information used for identifying the data included in the command sent from said command unit is an owner identifying information, and

the position information, the data identifying information and the owner identifying information included in the inventory information is recorded on said data table.

4. The data processing system according to claim 2 or 3, wherein the data identifying information to be assigned to the data that are a result from the execution of the program is recorded in said first program table in correspondence with the program identifying information,

said processing unit further includes means for sending to said access unit the data that are the result of the execution of the program and the data identifying information to be assigned to the data on the basis of the first program table, and

said access unit further includes means for recording the received data and the data identifying information to the recording medium.

5. The data processing system according to claim 2 or 3, wherein a related program identifying information for identifying a related program to be executed in relation with the program is recorded in the second program table in correspondence with the program identifying information and the program, and

the related program is a program for judging the absence/presence of the limit of the execution of the corresponding program.

6. The data processing system according to claim 4, wherein a related program identifying information for identifying a related program to be executed in relation with the program is recorded in the second program table in correspondence with the program identifying information and the program, and

the related program is a program for judging the absence/presence of the limit of the execution of the corresponding program.

7. The data processing system according to any one of claims 1 to 3, wherein the data recorded to the recording medium are ciphered data and

said processing unit further includes:

means for ciphering the data; and

means for deciphering the ciphered data.

8. The data processing system according to claim 4, wherein the data recorded to the recording medium are ciphered data and

said processing unit further includes:

means for ciphering the data; and

means for deciphering the ciphered data.

9. The data processing system according to claim 5, wherein the data recorded to the recording medium are ciphered data and

said processing unit further includes:

means for ciphering the data; and

means for deciphering the ciphered data.

10. The data processing system according to claim 6, wherein the data recorded to the recording medium are ciphered data and

said processing unit further includes:

means for ciphering the data; and

means for deciphering the ciphered data.

11. A data processing apparatus for executing a program on the basis of a command and processing data, provided with means for communicating with another apparatus, comprising:

means for receiving position information for indicating a recording position of the data;

means for receiving a command including program identifying information for identifying the program;

means for requiring a feed of the data caused, in advance, to correspond to the program identifying information included in the command received and recorded in the recording position indicated by the position information received; and

means for executing the program identified by the program identifying information included in the command received and processing the data received as required.

12. A computer program for executing a program on the basis of a command and processing data, for a computer provided with means for communicating with another

apparatus, comprising the following steps:

if position information indicating a recording position of the data is received and furthermore, the command including program identifying information for identifying the program is received to the computer,

requiring a feed of the data caused, in advance, to correspond to the program identifying information included in the command received and recorded in the recording position indicated by the position information received; and

executing the program identified by the program identifying information included in the command received and processing the data received as required.